Title: METHOD AND APPARATUS FOR GENERATING CONSISTENT USER INTERFACES Inventor(s): Sankara Sastry Varanasi, et al. Docket No. 50325-0820 Serial 1 Serial No. 10/676,718 FEB 1 7 2004 E Replacement Drawing 228 IMAGES 224 STATIC 226 STYLE SHEETS 222 JSP FILES HIM 220 CORE CLASSES CONTROLLER 208 ACTIONS 204 WEB SERVICE OBJECT MANAGER SERVICE OBJECTS 104 110A WEB BROWSER PROGRAM CODE Fig. 2B 230 CLIENT **WIDGETS** 210 206 SERVER PAGE **202 WEB PAGE GENERATOR** GENERATOR 212 PANELS 106 META-DATA DEFINITIONS

Title: METHOD AND APPARATUS FOR GENERATING CONSISTENT USER INTERFACES Inventor(s): Sankara Sastry Varanasi, et al. Docket No. 50325-0820 Serial No. 10/676,718 Replacement Drawing FEB 1 7 2004 Forwards to basicPane.jsp Struts Forwards to initPane.jsp 720 SomwebCompnen "ppo" "init" ViewFactory createWidget() create Widget( 754 **ParameterFactory** SomwebSvc0bj 736 createParameter(, Widgets Widgets SvcOb jHandler 718 752 SomwebParam BasicPanel getParamSetForCreate() 708-No Errors return SomwebParamBasicPanel SvcOb ¡ParamSet Errors: instantiate (ParamSet,INIT) instantiate(ParamSet,BASIC) 732 758 SomwebParamBasicPanel 716 **IppServices** Somweb 756 ObjParameters bulidNewParameter getInitParameterSet List(init paramset, 706~ performÁddNext(, Ob JParameter SomwebSvc **Somweb** Svc Vector of Vector of 750 SomwebServices Action 704\_ perform(HTTPRequest, 730 746-738-740 748-HTTPRequest.set HTTPRequest.set "Attribute "basicPanel") 714 F1G. 7 ContentPage :submit() 702-